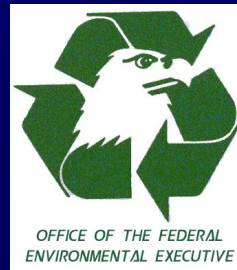




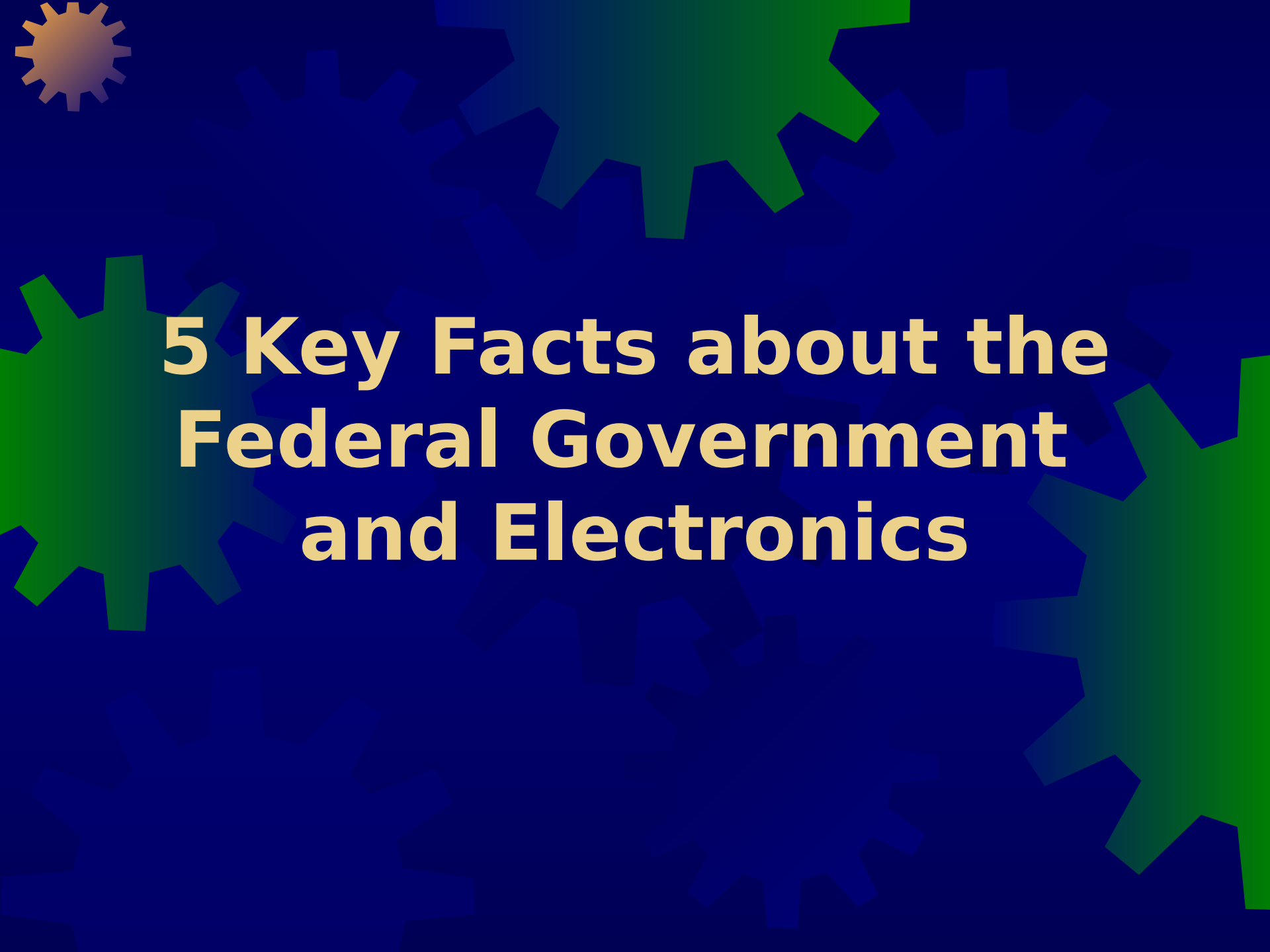
DHS Conference, December 1, 2004





# Agenda

- ★ Context for Federal Electronics Challenge
- ★ A Detailed Look at the FEC
- ★ How to Participate in FEC
- ★ Available Tools for Partners
- ★ Contacts



# **5 Key Facts about the Federal Government and Electronics**



# Fact #1

- \* Approximately 10,000 federally owned computers could be deemed excess or surplus each week
- \* Many could be **REUSED** by schools, nonprofits, and other government agencies!



From This



To This

## **Fact #2 - The federal government's purchase and use of electronics are not sustainable.**

- ✳ Average life cycle of federally owned computers is 3 years
- ✳ Significant quantities are ending up in storage closets, warehouses, or landfills





# Fact #3 - Electronics represent serious environmental costs and

- \* **opportunities** ~~opportunities~~ Electronic equipment contains hazardous substances such as lead, mercury, chromium, cadmium, and beryllium.
- \* And valuable metals such as aluminum and copper and precious metals - gold, silver, platinum and palladium.
- \* Components can be reused, recycled, or reclaimed in the current marketplace.





# Fact #4 - The federal government is the largest procurer of consumer electronics

- \* With 1.8 million employees, the U.S. federal sector represents a significant market share for electronics
- \* FY 2003 IT budget – approximately \$57 BILLION (Hardware & Services)
- \* FY 2004 and Projected 2005 IT budget – approximately \$59 BILLION (Hardware & Services)





## Fact #5

**The Federal Electronics  
Challenge offers  
Environmentally Responsible  
Solutions for Managing  
Electronics**





The background of the slide features several stylized gear icons. A small orange gear is in the top left corner. Large green gears are positioned on the left and right sides. Smaller blue gears are scattered throughout the dark blue background.

# DHS Involvement in FEC

- ★ DHS Signed the FEC MOU on November 15, 2004 with 11 other federal agencies, representing 80% of federal IT budget
- ★ Signing the MOU commits DHS to reduce environmental impacts of electronics procurement, use, and disposition



# What is the Federal Electronics

\*The EEC is a purchasing, use, and end-of-life management challenge issued for federal facilities or agencies to:

1. Purchase greener electronic products
2. Manage electronic assets in an environmentally sound manner
3. Receive assistance to improve current practices



# What is the Goal of the Challenge?

- \* Achieve cost-effective, environmentally responsible electronics management.

This goal will be achieved in part by:

- \* Promoting ENERGY STAR® features
- \* Increasing materials use efficiency by manufacturers.
- \* Increasing recovery rate and expanding the recycling infrastructure
- \* Utilizing the concept of supply and demand to support environmentally preferable electronic equipment
- \* Reducing the volume and toxicity of electronic equipment waste



# Quantitative Goals of the Challenge

- \* 100% of units purchased by eligible\* FEC partners include multiple environmental attributes. (A & P)
- \* Increase the life span of eligible FEC Partners' units and peripherals to four years (O & M)
- \* 100% of eligible FEC Partners have energy star features enabled on 95% of units. (O & M)
- \* 100% of non-reusable units are recycled by eligible FEC Partners using environmentally sound recycling. (EOL)

\*Eligible means the federal facility is participating in the acquisition and procurement phase of the FEC



# What electronics will ~~the FEC address?~~

Monitors (computers and TV's)

CPUs

Copiers

Laptops

Keyboards

LCD screens

Printers

Cell phones

Telephones

And other facility specific equipment



# Benefits of Participating in the FEC?

- ★ Achieve cost effective electronics management through strategies that:
  - Increase the useful life of electronic assets
  - Reduce total energy consumption
  - Minimize financial burden on property managers
  - Ensure data security AND responsibly clean out your storage closets
- ★ Reduce environmental impacts of electronics
- ★ Minimize potential regulatory liabilities
- ★ Receive recognition for your leadership

As a side note...

- ★ In 2003 Congress solicited GAO review of how Federal government is managing its electronics waste





# Specifics on the Challenge

- ✱ Flexible
  - Each individual facility determines its own:
    - ✱ Level of commitment
    - ✱ Goal(s)
    - ✱ Life cycle phase(s) on which to focus
- ✱ Recognition for all participating facilities
  - ✱ Partner
  - ✱ Bronze
  - ✱ Silver
  - ✱ Gold
- ✱ Mandatory and optional actions
- ✱ Integration of life cycle phases required within higher partnership levels
  - ✱ Life Cycle Phases: Acquisition & Procurement, Operations & Maintenance, End-of-Life



# What do you need to

## FIRST: do?

- \* Complete the registration form:  
<http://www.federaelectronicschallenge.net/pledge.htm>

## THEN: Within 6 weeks

- \* Complete the Survey:  
<http://www.federaelectronicschallenge.net/baseline.htm>
- \* Identify your goals:  
<http://www.federaelectronicschallenge.net/goals.htm>

## NEXT:

- \* Facilities may select a Challenge level, or may just sign on as a partner  
<http://www.federaelectronicschallenge.net/alevels.htm>
- \* Then use the tools provided to create and implement a unique solution  
<http://www.federaelectronicschallenge.net/tools.htm>

**FEC Steering Committee is here to help you!!**





# Timeline

## ANNUAL MILESTONES

- \* On-going: Sign up to be an FEC Partner
- \* December: Partner Annual Reports due and applications for awards due (if applying for an award)
- \* April: Partners provide brief update information to FEC
- \* April: Announce FEC Award winners and FEC annual report presented



# At a glance: FEC Requirements

## BRONZE

- ✓ Complete Survey
- ✓ Set Goals
- Select 1 of 3 LC Phases
  - Procurement
  - Use
  - End-of-life
- ✓ Complete mandatory item in chosen LC phase
- ✓ Choose and implement 2 optional items
- ✓ Report progress

## SILVER

- ✓ Complete Survey
- ✓ Set Goals
- Select 2 of 3 LC Phases
  - Procurement
  - Use
  - End-of-life
- ✓ Complete mandatory item in 2 chosen LC phases
- ✓ Choose and implement 3 optional items
- ✓ Report progress

## GOLD

- ✓ Complete Survey
- ✓ Set Goals
- ✓ Integrate 3 LC Phases
  - Procurement
  - Use
  - End-of-life
- ✓ Complete mandatory items in all 3 LC phases
- ✓ Choose and implement 4 optional items
- ✓ Report progress
- ✓ Mentor 2 others

# Examples of Requirements -

| Silver   |   |
|--|---|
| <b>Summary of Requirements</b>                           | 1) Complete mandatory items listed under "Process Criteria". 2) Choose and integrate 2 life cycle phases. 3) Complete all mandatory items under those two LC phases in both Bronze and Silver levels. 4) Choose and implement <b>4 optional actions</b> in at least <b>2 intent areas</b> listed under "Optionals". |
| <b>Process Criteria</b>                                  | * Complete EOL and acquisition surveys  |
|  | * Complete Reporting checklist  |
|  | <b>Choose and integrate 2 life cycle phases</b>   |
| <b>Life Cycle Phase 1: Acquisition &amp; Procurement</b> | * Include EOLM in solicitation OR include O&M provisions in solicitations. (A/P)  |
|  | * Consider and include at least 3 identified environmental attributes in purchasing specifications. (A/P)   |
| <b>Life Cycle Phase 2: Maintenance &amp; Operation</b>   | * Make sure the Energy Star Stand By Power function is enabled in 50% of eligible equipment. (O/M)  |
|  | Only donate to those recipients deemed eligible by the Federal Property Reuse Program. (O/M)  |
| <b>Life Cycle Phase 3: End-of-Life Management</b>        | * Establish and maintain a system for property accountability of electronic equipment from desktop to disposition. (EOL)  |
|  | * Provide recipients of any donated equipment proper instructions on how to recycle and dispose of equipment in an environmentally sound manner. (EOL)  |
| <b>Other Mandatory Actions</b>                           | Choose and implement 4 actions in at least 2 intent areas listed under "Optional Actions"   |

## Life Cycle Phase: Procurement

\*Include EOLM or O&M provisions in solicitations.

\*Include at least three environmental attributes

## Life Cycle Phase: End-of-Life Management

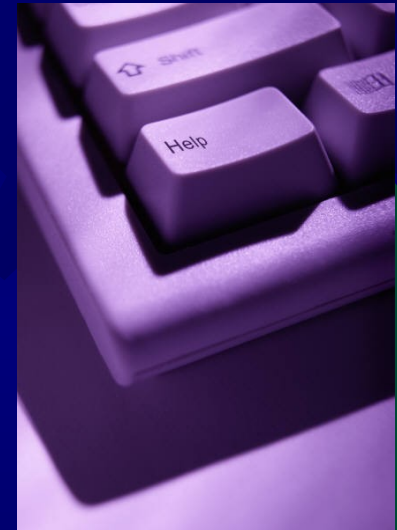
\* Establish and maintain a system for property accountability of electronic equipment from desktop to disposition.

\* Provide recipients of any donated equipment proper instructions on how to recycle and dispose of equipment in



# FEC Partners Get....

- ✱ Educational Training and Feedback
- ✱ Networking
- ✱ Cost Effective Tools
- ✱ Money Saving Strategies
  - ✱ Resource efficiency
  - ✱ Energy Savings
  - ✱ Equipment Maintenance
- ✱ Strategies to ensure data security
- ✱ National Recognition from the Office of the Federal Environmental Executive







# Resources for Partners

## ★ FEC Partner Listserve

- ★ Communicate with other Federal Agencies, Department and Facilities across the country on e-waste topics
- ★ Notice of upcoming events and changes

## ★ FEC Partner Conference Calls

- ★ Starting January, 1<sup>st</sup> Thursday, 1pm ET
  - ★ Variety of topics including
    - ★ Purchasing
    - ★ End-of-life management
    - ★ Liability
    - ★ Choosing your recycler and more
- 



# Contact Us:

**Federal Electronics Challenge website:**  
**[www.federalectronicchallenge.net](http://www.federalectronicchallenge.net)**  
**Office of the Federal Environmental**  
**Executive:**  
**[www.ofee.gov](http://www.ofee.gov)**



|                   |                   |              |  |
|-------------------|-------------------|--------------|--|
| US EPA HQ         | Holly Elwood      | 202-564-8854 | <a href="mailto:elwood.holly@epa.gov">elwood.holly@epa.gov</a>               |
| US EPA            | Vicky Salazar     | 703-308-8854 | <a href="mailto:salazar.vicky@epa.gov">salazar.vicky@epa.gov</a>             |
| US EPA Eastern US | Christine Beling  | 617-918-1792 | <a href="mailto:beling.christine@epa.gov">beling.christine@epa.gov</a>       |
| US EPA Midwest    | Chris Newman      | 312-353-8402 | <a href="mailto:newman.christopherm@epa.gov">newman.christopherm@epa.gov</a> |
| US EPA Western US | Adrienne Priselac | 415-972-3285 | <a href="mailto:priselac.adrienne@epa.gov">priselac.adrienne@epa.gov</a>     |